

# Comparisons of Job Characteristics

**Focus Occupation:** [Medical and Clinical Laboratory Technicians \(29-2012\)](#)

**Associated Occupation:** [Medical Assistants \(31-9092\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

|    |  |
|----|--|
| << | Focus occupation element is much lower             |
| <  | Focus occupation element is lower                  |
| 0  | Focus occupation element is at a similar level     |
| >  | Focus occupation element is at a higher level      |
| >> | Focus occupation element is at a much higher level |

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 47

**Focus Occupation:** Medical and Clinical Laboratory Technicians (29-2012)

**Associated Occupation:** Medical Assistants (31-9092)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |    | Evaluation of Focus Occupation                      |
|--|---------------------------------|--------------------------------|---------------------------|----|---|
| Customer and Personal Service                  | 11.3                            | 13.7                           | 12.9                      | 0  | Current knowledge level may be sufficient           |
| Clerical                                       | 7.3                             | 12.7                           | 8.7                       | << | Extensive education and/or training may be required |
| Medicine and Dentistry                         | 3.7                             | 12.5                           | 12.8                      | 0  | Current knowledge level may be sufficient           |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 71

**Focus Occupation:** Medical and Clinical Laboratory Technicians (29-2012)

**Associated Occupation:** Medical Assistants (31-9092)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating |    | Evaluation of Focus Occupation                               |
|---|---------------------------------|--------------------------------|---------------------------|----|--|
| Active Listening                            | 11.0                            | 13.3                           | 11.1                      | <  | A higher skill level may be required                         |
| Speaking                                    | 10.8                            | 13.0                           | 10.2                      | <  | A higher skill level may be required                         |
| Monitoring                                  | 9.9                             | 11.5                           | 9.6                       | <  | A higher skill level may be required                         |
| Social Perceptiveness                       | 9.1                             | 11.4                           | 7.7                       | << | Extensive development of skills in this area may be required |
| Service Orientation                         | 7.9                             | 10.1                           | 7.6                       | << | Extensive development of skills in this area may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Medical and Clinical Laboratory Technicians (29-2012)

Associated Occupation: Medical Assistants (31-9092)

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |  |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|--|
| Oral Expression                                | 12.4                            | 13.9                           | 11.5                      | <                              | Some improvement in abilities may be required      |
| Oral Comprehension                             | 12.5                            | 13.5                           | 12.5                      | 0                              | Current ability level may be sufficient            |
| Problem Sensitivity                            | 11.1                            | 11.6                           | 11.8                      | 0                              | Current ability level may be sufficient            |
| Speech Clarity                                 | 10.2                            | 11.4                           | 8.5                       | <<                             | Extensive improvement in abilities may be required |
| Written Comprehension                          | 11.0                            | 11.4                           | 10.3                      | <                              | Some improvement in abilities may be required      |
| Near Vision                                    | 11.1                            | 11.2                           | 12.3                      | 0                              | Current ability level may be sufficient            |
| Speech Recognition                             | 9.9                             | 11.0                           | 9.1                       | <                              | Some improvement in abilities may be required      |
| Written Expression                             | 9.8                             | 10.7                           | 9.6                       | <                              | Some improvement in abilities may be required      |
| Perceptual Speed                               | 7.4                             | 8.2                            | 9.1                       | >                              | Current ability level is likely sufficient         |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 79

Focus Occupation: Medical and Clinical Laboratory Technicians (29-2012)

Associated Occupation: Medical Assistants (31-9092)

| Work Activities  | Exclusivity of Activity |
|--|-------------------------|
| Calculate medical diagnostic test results                      | 89                      |
| Conduct medical laboratory tests                               | 87                      |
| Draw blood   | 74                      |
| Prepare sample for laboratory testing, analysis, or microscopy | 74                      |
| Set up or calibrate laboratory equipment                       | 78                      |
| Use clinical sterilizing technique                             | 71                      |
| Use knowledge of medical terminology                           | 40                      |
| Use medical lab techniques                                     | 81                      |
| Use sanitation practices in health care settings               | 48                      |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 79

**Focus Occupation: Medical and Clinical Laboratory Technicians (29-2012)**  
**Associated Occupation: Medical Assistants (31-9092)**

| Tools and Technologies   | Exclusivity |
|--|-------------|
| Autoclave and sterilizer equipment and accessories               | 12          |
| Clinical and diagnostic analyzers and accessories and supplies   | 18          |
| Computer printers  | 2           |
| Computers  | 1           |
| Content authoring and editing software                           | 1           |
| Data management and query software                               | 1           |
| Finance accounting and enterprise resource planning ERP software | 2           |
| Industry specific software                                       | 1           |
| Information exchange software                                    | 1           |
| Injection and aspiration needles and accessories                 | 25          |
| Laboratory centrifuges and accessories                           | 13          |
| Laboratory microscope slides and supplies                        | 20          |
| Pipettes and liquid handling equipment and supplies              | 16          |
| Specimen collection and transport containers and supplies        | 14          |
| Surgical support supplies  | 33          |
| Syringes and accessories   | 14          |
| Test Tubes   | 26          |
| Viewing and observing instruments and accessories                | 4           |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.